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AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended) A method of determining whether a subject is at risk for developing atherosclerosis-associated plaque rupture or myocardial infarction comprising:

- a) measuring the level of Apolipoprotein C-1 (ApoC1) protein in a biological sample from the subject; and
- b) comparing the level of ApoC1 protein in the biological sample from the subject to the level of ApoC1 protein from a control,

wherein the subject is human, and wherein an increased level of ApoC1 protein in the biological sample as compared to the control sample indicates that the subject is at increased risk for developing atherosclerosis-associated plaque rupture or myocardial infarction.

Claim 2. (Currently Amended) The method of claim 1, wherein ~~the~~ protein is associated with elevated large ApoC1 enriched HDL levels.

Claim 3. (Original) The method of claim 2, wherein the elevated large HDL is ApoC1-enriched.

Claim 4. (Currently Amended) The method of claim 1, wherein the level of LDL in the biological sample is normal.

Claim 5. (Previously Presented) The method of claim 1, wherein the subject is female.

Claim 6. (Previously Presented) The method of claim 1, wherein the subject has been previously diagnosed with atherosclerosis.

Claim 7. (Cancelled)

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Claim 8. (Previously Presented) The method of claim 1, wherein the biological sample is selected from blood, serum, and plasma.

Claims 9-38. (Cancelled)

Claim 39. (New) A method of determining whether a subject is at risk for developing atherosclerosis-associated plaque rupture or myocardial infarction comprising:

- a) measuring the level of ApoC1 enriched HDL in a biological sample from the subject; and
- b) comparing the level of ApoC1 enriched HDL in the biological sample from the subject to the level of ApoC1 enriched HDL from a control,

wherein an increased level of ApoC1 enriched HDL in the biological sample as compared to the control sample indicates that the subject is at increased risk for developing atherosclerosis-associated plaque rupture or myocardial infarction.